

Harford County Area, Maryland  
Table J2.--Chemical Properties of the Soils

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(Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
AdA: Aldino-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-22	---	---	3.6-5.5	---	---	0	---
	22-36	---	---	3.6-5.5	---	---	0	---
	36-60	---	---	5.1-7.3	---	---	0	---
AdB: Aldino-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-22	---	---	3.6-5.5	---	---	0	---
	22-36	---	---	3.6-5.5	---	---	0	---
	36-60	---	---	5.1-7.3	---	---	0	---
AdC: Aldino-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-22	---	---	3.6-5.5	---	---	0	---
	22-36	---	---	3.6-5.5	---	---	0	---
	36-60	---	---	5.1-7.3	---	---	0	---
AsB: Aldino-----	0-10	---	---	3.6-5.5	---	---	0	---
	10-22	---	---	3.6-5.5	---	---	0	---
	22-36	---	---	3.6-5.5	---	---	0	---
	36-60	---	---	5.1-7.3	---	---	0	---
	60-64	---	---	---	---	---	---	---
Av: Alluvial Land-----	0-6	---	---	3.6-7.3	---	---	0	---
	6-42	---	---	3.6-7.3	---	---	0	---
	42-60	---	---	4.5-6.5	---	---	0	---
BaA: Baile-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-32	---	---	3.6-5.5	---	---	0	---
	32-60	---	---	3.6-5.5	---	---	0	---
BaB: Baile-----	0-9	---	---	3.6-5.5	---	---	0	---
	9-32	---	---	3.6-5.5	---	---	0	---
	32-60	---	---	3.6-5.5	---	---	0	---
BeA: Beltsville-----	0-14	---	---	3.6-5.5	---	---	0	---
	14-25	---	---	3.6-5.5	---	---	0	---
	25-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
BeB: Beltsville-----	0-14	---	---	3.6-5.5	---	---	0	---
	14-25	---	---	3.6-5.5	---	---	0	---
	25-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---
BeC: Beltsville-----	0-14	---	---	3.6-5.5	---	---	0	---
	14-25	---	---	3.6-5.5	---	---	0	---
	25-50	---	---	3.6-5.5	---	---	0	---
	50-72	---	---	3.6-5.5	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
BrC2: Brandywine-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-12	---	---	3.6-5.5	---	---	0	---
	12-25	---	---	3.6-5.5	---	---	0	---
	25-65	---	---	3.6-5.5	---	---	0	---
BrD3: Brandywine-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-12	---	---	3.6-5.5	---	---	0	---
	12-25	---	---	3.6-5.5	---	---	0	---
	25-65	---	---	3.6-5.5	---	---	0	---
BrE3: Brandywine-----	0-8	---	---	3.6-5.5	---	---	0	---
	8-12	---	---	3.6-5.5	---	---	0	---
	12-25	---	---	3.6-5.5	---	---	0	---
	25-65	---	---	3.6-5.5	---	---	0	---
CcA: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
CcB2: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
CcC2: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
CgB2: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
CgC2: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
CgD2: Chester-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-42	---	---	4.5-5.5	---	---	0	---
	42-62	---	---	4.5-5.5	---	---	0	---
ChB2: Chillum-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-28	---	---	4.5-5.5	---	---	0	---
	28-72	---	---	4.5-5.5	---	---	0	---
CkC2: Chillum-----	0-8	---	---	4.5-5.5	---	---	0	---
	8-28	---	---	4.5-5.5	---	---	0	---
	28-72	---	---	4.5-5.5	---	---	0	---
Neshaminy-----	0-11	---	20-30	4.5-6.0	0	0	0	0
	11-54	20-30	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	---	---	---	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
CrE:								
Chrome-----	0-7	---	---	6.1-7.3	---	---	0	---
	7-15	---	---	6.1-7.3	---	---	0	---
	15-30	---	---	6.1-7.3	---	---	0	---
	30-34	---	---	---	---	---	---	---
Cu:								
Codorus-----	0-18	---	---	4.5-6.0	---	---	0	---
	18-54	---	---	5.1-6.5	---	---	0	---
	54-60	---	---	5.1-6.5	---	---	0	---
Cv:								
Comus-----	0-30	---	---	4.5-6.0	---	---	0	---
	30-60	---	---	4.5-6.0	---	---	0	---
Cx:								
Cut And Fill Land----	0-6	---	---	---	---	---	0	---
DcA:								
Delanco-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-39	---	---	3.6-5.5	---	---	0	---
	39-72	---	---	3.6-5.5	---	---	0	---
DcB:								
Delanco-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-39	---	---	3.6-5.5	---	---	0	---
	39-72	---	---	3.6-5.5	---	---	0	---
EhB2:								
Elioak-----	0-15	---	---	4.5-6.0	---	---	0	---
	15-42	---	---	4.5-5.5	---	---	0	---
	42-65	---	---	4.5-6.0	---	---	0	---
EhC2:								
Elioak-----	0-15	---	---	4.5-6.0	---	---	0	---
	15-42	---	---	4.5-5.5	---	---	0	---
	42-65	---	---	4.5-6.0	---	---	0	---
En:								
Elkton-----	0-10	---	5.0-10	3.6-5.5	0	0	0	0
	10-24	---	2.0-10	3.6-5.5	0	0	0	0
	24-40	---	2.0-10	3.6-5.5	0	0	0	0
	40-65	---	2.0-10	3.6-5.5	0	0	0	0
EsA:								
Elsinboro-----	0-15	---	---	4.5-5.5	---	---	0	---
	15-36	---	---	4.5-5.5	---	---	0	---
	36-60	---	---	4.5-5.5	---	---	0	---
EsB2:								
Elsinboro-----	0-15	---	---	4.5-5.5	---	---	0	---
	15-36	---	---	4.5-5.5	---	---	0	---
	36-60	---	---	4.5-5.5	---	---	0	---
EsC2:								
Elsinboro-----	0-15	---	---	4.5-5.5	---	---	0	---
	15-36	---	---	4.5-5.5	---	---	0	---
	36-60	---	---	4.5-5.5	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
EvC:								
Evesboro-----	0-16	---	1.0-3.0	3.6-5.0	---	---	---	---
	16-40	---	1.0-2.0	3.6-5.0	0	0	0	0
	40-72	---	1.0-3.0	4.5-5.0	0	0	0	0
Fs:								
Fallsington-----	0-10	---	2.0-5.0	3.6-5.5	0	0	0	0
	10-32	---	1.0-3.0	3.6-5.5	0	0	0	0
	32-72	---	1.0-3.0	3.6-5.5	0	0	0	0
GcB2:								
Gleneig-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GcC2:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GcC3:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GcD2:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GcD3:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GgB2:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GgC2:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GgC3:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GgD2:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---
GgD3:								
Glenelg-----	0-6	---	---	4.5-5.5	---	---	0	---
	6-24	---	---	4.5-6.5	---	---	0	---
	24-65	---	---	4.5-6.5	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
GnA: Glenville-----	0-9	10-20	---	4.5-7.3	0	0	0	0
	9-18	---	10-20	4.5-6.0	0	0	0	0
	18-40	---	10-20	4.5-6.0	0	0	0	0
	40-62	---	10-20	4.5-5.5	0	0	0	0
GnB: Glenville-----	0-9	10-20	---	4.5-7.3	0	0	0	0
	9-18	---	10-20	4.5-6.0	0	0	0	0
	18-40	---	10-20	4.5-6.0	0	0	0	0
	40-62	---	10-20	4.5-5.5	0	0	0	0
Hb: Hatboro-----	0-9	---	---	4.5-7.3	---	---	0	---
	9-44	---	---	4.5-7.3	---	---	0	---
	44-56	---	---	5.6-6.5	---	---	0	---
	56-70	---	---	5.6-6.5	---	---	0	---
JpB: Joppa-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-23	---	---	3.6-5.5	---	---	0	---
	23-72	---	---	3.6-5.5	---	---	0	---
JpC: Joppa-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-23	---	---	3.6-5.5	---	---	0	---
	23-72	---	---	3.6-5.5	---	---	0	---
KeB: Kelly-----	0-9	---	---	4.5-6.0	---	---	0	---
	9-38	---	---	6.1-7.3	---	---	0	---
	38-41	---	---	6.1-7.3	---	---	0	---
	41-45	---	---	---	---	---	---	---
	45-49	---	---	---	---	---	---	---
KeC2: Kelly-----	0-9	---	---	5.1-6.0	---	---	0	---
	9-27	---	---	5.1-6.5	---	---	0	---
	27-32	---	---	5.1-7.3	---	---	0	---
	32-60	---	---	5.6-7.8	---	---	0	---
KfD: Kelly-----	0-8	10-20	---	4.5-6.5	0	0	0	0
	8-36	10-25	---	4.5-6.5	0	0	0	0
	36-46	10-25	---	4.5-6.5	0	0	0	0
	46-50	---	---	---	---	---	---	---
KpA: Keyport-----	0-10	---	6.0-14	3.6-5.5	0	0	0	0
	10-60	---	12-20	4.5-5.5	0	0	0	0
	60-72	---	2.0-16	3.6-5.5	0	0	0	0
KpB: Keyport-----	0-10	---	6.0-14	3.6-5.5	0	0	0	0
	10-60	---	12-20	4.5-5.5	0	0	0	0
	60-72	---	2.0-16	3.6-5.5	0	0	0	0
KrA: Kinkora-----	0-12	---	---	4.5-5.5	---	---	0	---
	12-30	---	---	4.5-5.0	---	---	0	---
	30-36	---	---	3.6-5.0	---	---	0	---
	36-60	---	---	---	---	---	---	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
KrB:								
Kinkora-----	0-12	---	---	4.5-5.5	---	---	0	---
	12-30	---	---	4.5-5.0	---	---	0	---
	30-36	---	---	3.6-5.0	---	---	0	---
	36-60	---	---	---	---	---	---	---
LeB2:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LeC2:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LeD2:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LeE:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LfC:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LfD:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LfE:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LgC3:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---
LgD3:								
Legore-----	0-10	---	---	5.1-6.0	---	---	0	---
	10-24	---	---	5.6-6.5	---	---	0	---
	24-66	---	---	5.6-6.5	---	---	0	---
	66-70	---	---	---	---	---	---	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Lr: Leonardtown-----	0-12	---	---	3.6-5.5	---	---	0	---
	12-49	---	---	3.6-5.5	---	---	0	---
	49-70	---	---	3.6-5.5	---	---	0	---
LyB: Loamy And Clayey Lan-	0-28	---	---	4.5-6.0	---	---	---	---
	28-36	---	---	4.5-5.5	---	---	---	---
	36-60	---	---	4.5-5.5	---	---	---	---
LyD: Loamy And Clayey Lan-	0-28	---	---	4.5-6.0	---	---	---	---
	28-36	---	---	4.5-5.5	---	---	---	---
	36-60	---	---	4.5-5.5	---	---	---	---
LyE: Loamy And Clayey Lan-	0-28	---	---	4.5-6.0	---	---	---	---
	28-36	---	---	4.5-5.5	---	---	---	---
	36-60	---	---	4.5-5.5	---	---	---	---
MbB2: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MbC2: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MbC3: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MbD2: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MbD3: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
McB2: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
McC2: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
McC3: Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
McD2:								
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
McD3:								
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MdE:								
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MfE:								
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MgC:								
Glenelg-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MgD:								
Glenelg-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
Manor-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
MkA:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MkB:								
Matapeake-----	0-16	---	---	4.5-5.5	---	---	0	---
	16-34	---	---	3.6-5.5	---	---	0	---
	34-62	---	---	3.6-5.5	---	---	0	---
MlA:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0
MlB:								
Mattapex-----	0-15	---	2.0-15	3.6-5.5	0	0	0	0
	15-36	---	2.0-10	3.6-5.5	0	0	0	0
	36-60	---	2.0-5.0	3.6-5.5	0	0	0	0
	60-65	---	2.0-5.0	3.6-5.5	0	0	0	0



Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
MsA:								
Montalto-----	0-11	---	---	4.5-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
MsB2:								
Montalto-----	0-11	---	---	4.5-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
MsC2:								
Montalto-----	0-11	---	---	4.5-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
NeA:								
Neshaminy-----	0-11	---	20-30	4.5-6.0	0	0	0	0
	11-54	20-30	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	---	---	---	---
NeB2:								
Neshaminy-----	0-11	---	20-30	4.5-6.0	0	0	0	0
	11-54	20-30	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	---	---	---	---
NeC2:								
Neshaminy-----	0-11	---	20-30	4.5-6.0	0	0	0	0
	11-54	20-30	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	---	---	---	---
NsC:								
Montalto-----	0-7	---	---	4.5-6.5	---	---	0	---
	7-11	---	---	5.1-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
Neshaminy-----	0-11	---	---	4.5-6.0	0	0	0	0
	11-54	---	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	0	0	0	0
NsD:								
Montalto-----	0-7	---	---	4.5-6.5	---	---	0	---
	7-11	---	---	5.1-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
Neshaminy-----	0-11	---	---	4.5-6.0	0	0	0	0
	11-54	---	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	0	0	0	0
NsE:								
Montalto-----	0-7	---	---	4.5-6.5	---	---	0	---
	7-11	---	---	5.1-6.5	---	---	0	---
	11-45	---	---	5.1-6.5	---	---	0	---
	45-65	---	---	5.1-6.5	---	---	0	---
Neshaminy-----	0-11	---	---	4.5-6.0	0	0	0	0
	11-54	---	---	5.1-6.5	0	0	0	0
	54-58	---	---	---	0	0	0	0

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
Ot:								
Othello-----	0-9	---	8.0-20	4.5-5.5	0	0	0	0
	9-29	---	5.0-15	3.6-5.5	0	0	0	0
	29-50	---	1.0-5.0	3.6-5.5	0	0	0	0
	50-72	---	1.0-5.0	3.6-5.5	0	0	0	0
Sa:								
Sand And Gravel Pits-	0-6	---	---	---	---	---	0	---
	6-60	---	---	---	---	---	0	---
ShB2:								
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
ShC2:								
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SlB2:								
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SlC2:								
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SsD:								
Joppa-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-23	---	---	3.6-5.5	---	---	0	---
	23-72	---	---	3.6-5.5	---	---	0	---
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
SsE:								
Joppa-----	0-13	---	---	3.6-5.5	---	---	0	---
	13-23	---	---	3.6-5.5	---	---	0	---
	23-72	---	---	3.6-5.5	---	---	0	---
Sassafras-----	0-9	---	2.0-10	3.6-5.5	0	0	0	0
	9-40	---	1.0-5.0	3.6-5.5	0	0	0	0
	40-70	---	1.0-5.0	3.6-5.5	0	0	0	0
St:								
Stony Land-----	0-10	---	---	3.6-6.0	---	---	0	---
	10-20	---	---	3.6-6.0	---	---	0	---
	20-72	---	---	3.6-6.0	---	---	0	---
Sw:								
Swamp-----	0-39	---	100-300	3.6-5.5	0	0	0.0-2.0	0
	39-60	---	1.0-5.0	4.5-5.0	0	0	0	0
Tm:								
Tidal Marsh-----	0-16	---	---	5.1-8.4	---	---	2.0-16.0	---
	16-41	---	---	5.1-8.4	---	---	2.0-16.0	---
	41-63	---	---	5.1-8.4	---	---	2.0-16.0	---
	63-80	---	---	---	---	---	---	---

Table J2.--Chemical Properties of the Soils--Continued

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation exchange capacity	Soil reaction	Calcium carbon- ate	Gypsum	Salinity	Sodium adsorp- tion ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
WaA: Watchung-----	0-9	---	---	4.5-6.5	---	---	0	---
	9-51	---	---	5.1-7.3	---	---	0	---
	51-66	---	---	5.6-7.3	---	---	0	---
WaB: Watchung-----	0-9	---	---	4.5-6.5	---	---	0	---
	9-51	---	---	5.1-7.3	---	---	0	---
	51-66	---	---	5.6-7.3	---	---	0	---
WcB: Watchung-----	0-9	---	---	4.5-6.5	---	---	0	---
	9-51	---	---	5.1-7.3	---	---	0	---
	51-66	---	---	5.6-7.3	---	---	0	---
WhB: Whiteford-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-37	---	---	4.5-5.5	---	---	0	---
	37-40	---	---	4.5-5.5	---	---	0	---
	40-44	---	---	---	---	---	---	---
WhC2: Whiteford-----	0-10	---	---	4.5-5.5	---	---	0	---
	10-37	---	---	4.5-5.5	---	---	0	---
	37-40	---	---	4.5-5.5	---	---	0	---
	40-44	---	---	---	---	---	---	---
WoB: Woodstown-----	0-11	---	2.0-10	3.6-5.5	0	0	0	0
	11-29	---	1.0-5.0	3.6-5.5	0	0	0	0
	29-70	---	1.0-5.0	3.6-5.5	0	0	0	0

